XDMA6415

INSTALLATION/OWNER'S MANUAL

AM/FM/CD/MP3/WMA Receiver with Detachable Face

MP3

COMPACT disc DIGITAL AUDIO

Plays Windows Media™

USB

Made for iPod

AUX Front Panel Input

Bluetooth®

Dual®

Preparation

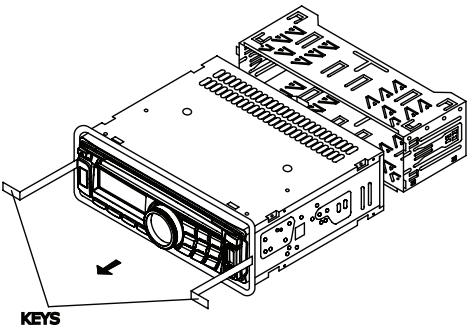
Please read entire manual before installation.

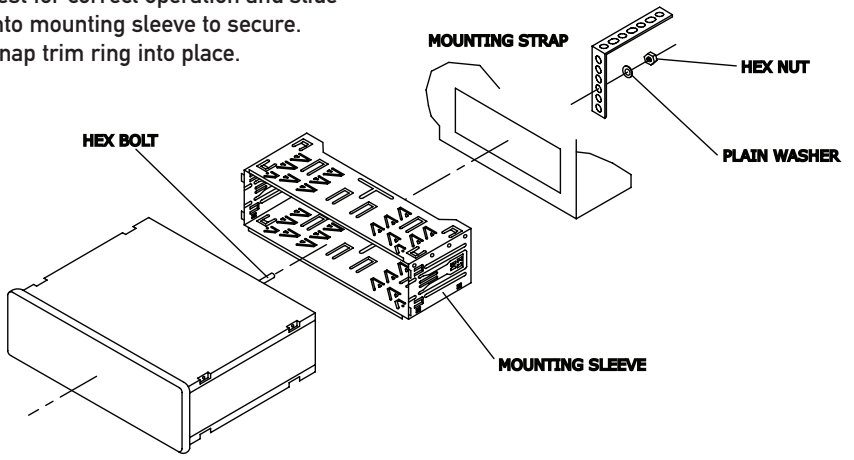
Before You Start

- Disconnect negative battery terminal. Consult a qualified technician for instructions.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

Getting Started

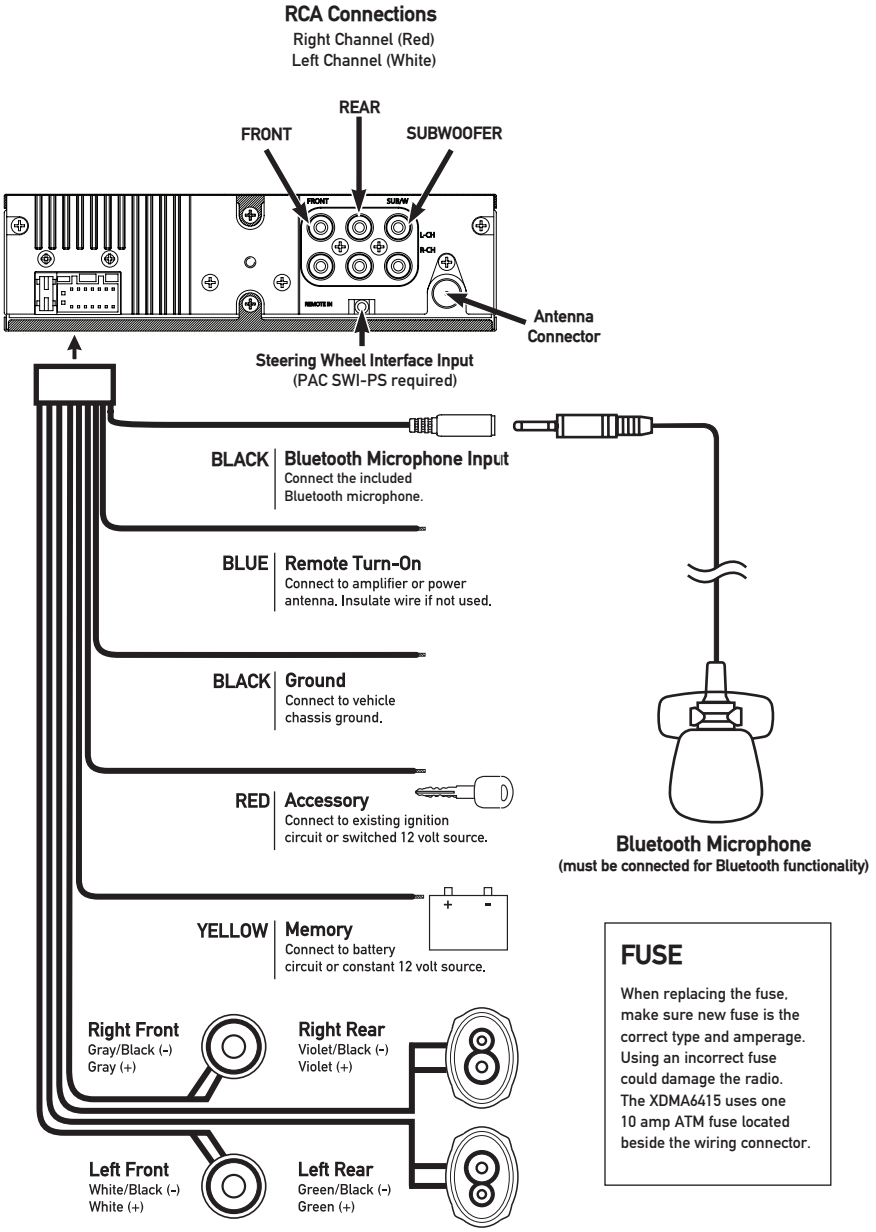
- Remove trim ring from unit,
- Remove 2 transit screws located on top of the unit.
- Insert the supplied keys into the slots as shown, and slide the unit out of the mounting sleeve.
- Install mounting sleeve into opening, bending tabs to secure.
- Connect wiring harness and antenna. Consult a qualified technician if you are unsure.
- Certain vehicles may require an installation kit and/or wiring harness adapter (sold separately).
- Test for correct operation and slide into mounting sleeve to secure.
- Snap trim ring into place.





TYPICAL FRONT-LOAD DIN MOUNTING METHOD

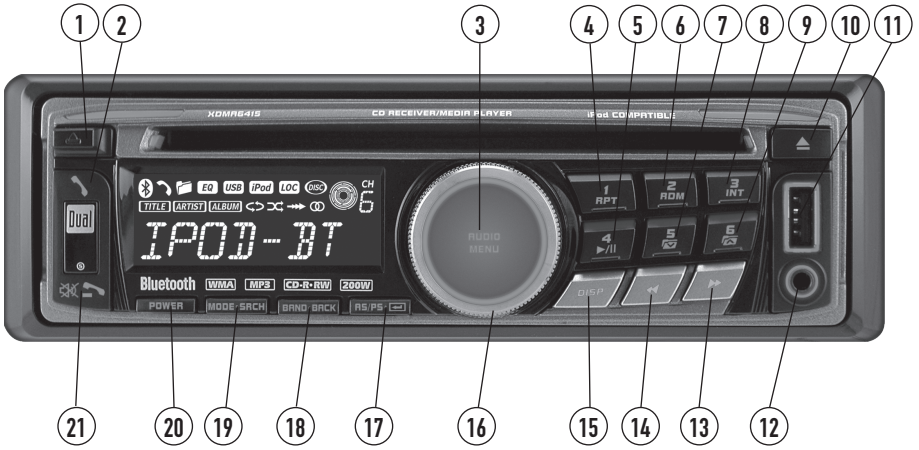
Wiring Diagram



FUSE

When replacing the fuse, make sure new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio. The XDMA6415 uses one 10 amp ATM fuse located beside the wiring connector.

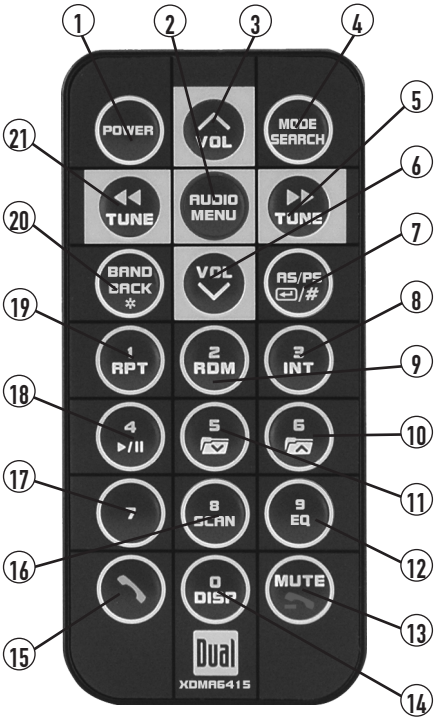
Control Locations - Receiver



1. Release
2. Talk
3. Audio/Menu
4. Preset 1/Repeat
5. Preset 4/Play/Pause
6. Preset 2/Random
7. Preset 5/Folder Down
8. Preset 3/Intro
9. Preset 6/Folder Up
10. Eject
11. USB Port
12. Auxiliary Input
13. Tune/Track Up
14. Tune/Track Down
15. Display
16. Volume
17. AS/PS/Enter
18. Band/Back
19. Mode/Search
20. Power
21. Mute/End Call

The XDMA6415 allows playback of your favorite MP3 and WMA files recorded on CD-R and CD-RW discs. Its powerful on-board DSP processor decodes the compressed audio while maintaining near-CD sound quality. An internal SRAM buffer provides ESP (Electronic Skip Protection) to virtually eliminate skipping and allows alphanumeric or direct track search - even while a song is currently playing!

Control Locations - Remote



1. Power
2. Audio/Menu
3. Volume Up
4. Mode/Search
5. Tune/Track Up
6. Volume Down
7. AS/PS/Enter/# Key
8. Preset 3/Intro
9. Preset 2/Random
10. Preset 6/Folder Up
11. Preset 5/Folder Down
12. Key 9/EQ
13. Mute/End Call
14. Key 0/Display
15. Talk
16. Key 8/Scan
17. Key 7
18. Preset 4/Play/Pause
19. Preset 1/Repeat
20. Band/Back/* Key
21. Tune/Track Down

General Operation

Faceplate Removal	Press **RELEASE** and pull away from the left side to remove. To re-install, insert right side of faceplate first then push left side to secure.
Semi-Permanent Faceplate Installation	Remove trim ring and install supplied #1 x 7/32" Phillips head screw through left side of mounting frame into faceplate.
Power On/Off	Press **POWER** or any other button (except eject) to turn the unit on. Inserting a disc will turn the unit on automatically. Press **POWER** to turn the unit off.
Mode	Press **MODE** to select between AM/FM, CD player, auxiliary input, operation of iPod®, Bluetooth and USB. Modes of operation are indicated in the display. CD mode will not appear unless a CD is inserted.
Auxiliary Input	Insert a 3.5mm connector in the front panel AUX port. Connect the other end of the 3.5mm connector to the headphone output of an audio device, MP3 player, etc. Press **MODE** to select AUX mode.
Steering Wheel Input Interface	The steering wheel interface input located on the back of the head unit allows connection to the **Pacific Accessory Corporation (PAC) SWI-PS** interface module (sold separately). Visit www.pac-audio.com for details. To configure steering wheel controls, follow the instructions provided with the **PAC SWI-PS** interface module. After installing the interface module, insert the module's 3.5mm jack into the port on the back of the head unit.
Volume	Adjust volume using the **volume** knob (00-46).
Programmable Turn-On Volume	Press and hold **POWER** for 3 seconds to program currently selected volume level. "P-VOL" and the current volume level will momentarily appear in the display.
Mute	Press to silence the audio. "MUTE" will flash in the display. Press again to cancel.
Preset EQ Curves	On the remote control, press **EQ** to select between POP, JAZZ, CLASSIC, BEAT, ROCK and OFF (default) equalization curves. Any adjustment to the Bass or Treble settings automatically cancels the current EQ curve (if one is selected).
Display	Press **DISP** to select between clock and different types of information, such as radio frequency, CD track/elapsed time, or MP3/WMA song information.

General Operation

Reset	Press to **RESET** the unit upon initial installation or if abnormal operation occurs. Reset button is located behind the faceplate.
Set the Clock	With the unit on, press and hold **DISP** until the clock begins to flash, then release. Press **TUNE ◄◄** to adjust the hours and **TUNE ►►** to adjust the minutes. Press **DISP** momentarily to save the selected time.
12/24-hour Clock	The clock will display 12-hour AM/PM time in USA frequency spacing mode (PM 10:00). In European frequency spacing mode, the clock will display 24-hour time (22:00).
Setup Menu	Press and hold **AUDIO/MENU** for more than 3 seconds to access the setup menu. Press **AUDIO/MENU** momentarily to select between the menu functions and rotate the **volume** knob left/right to adjust or activate the desired function.

Setup Menu

Menu Function	Options	Action
Loudness Curve	LOUD OFF	Disables the loudness function.
	LOUD ON	Enables the loudness function. Activating this feature will enhance the bass and treble frequencies when listening to music at low volumes.
Tuner Frequency Spacing	FREQ USA	Programs the unit to USA tuner spacing. (200kHz for FM and 10kHz for AM)
	FREQ EUR	Programs the unit to European tuner spacing. (50kHz for FM and 9kHz for AM)
Clock Display	CLK OFF	Programs the unit to not display the clock when the power is off.
	CLK ON	Programs the unit to display the clock when the power is off.
Auxiliary Input	AUX ON	Enables the front panel 3.5mm auxiliary input.
	AUX OFF	Disables the auxiliary input.
Beep Confirmation	BEEP OFF	Disables the confirmation beep.
	BEEP ON	Enables the confirmation beep.
Local/Distance Tuning	LOC OFF	Activates distance tuning.
	LOC ON	Activates local tuning for strong station reception only.
Subwoofer	SB-W ON	Enables the subwoofer RCA output
	SB-W OFF	Disables the subwoofer RCA output
Power on Message	MSG OFF	Disables power on message.
	MSG ON	Enables power on message to be displayed.
Demonstration Mode	DEMO OFF	Disables the demonstration message.
	DEMO ON	Enables the demonstration message.
Note: Refer to page 24 for Bluetooth setup menu options.		

General Operation

Audio

Press **AUDIO/MENU** momentarily to select between Volume (default), Bass, Treble, Balance, & Fader.

→ VOLUME → BASS → TREBLE → BALANCE → FADER → SUBWOOFER ┐

Bass

Press **AUDIO/MENU** until **BAS** appears then rotate **volume** left/right to adjust (-6 minimum / +6 maximum).

Treble

Press **AUDIO/MENU** until **TRE** appears then rotate **volume** left/right to adjust (-6 minimum / +6 maximum).

Balance

Press **AUDIO/MENU** until **BAL** appears then rotate **volume** left/right to adjust (BAL L 12-BAL 00-BAL R 12).
BAL 00 represents equal balance

Fader

Press **AUDIO/MENU** until **FAD** appears then rotate **volume** left/right to adjust (FAD F 12-FAD 00-FAD R 12).
FAD 00 represents equal fader

Subwoofer

Press **AUDIO/MENU** until **SUB** appears, then press **SELECT** to confirm. Rotate **volume** left/right to adjust (0-12).
Adjusting levels to 0 turns the subwoofer off.

Source Audio Memory

Individual Bass and Treble settings are retained in memory for tuner, CD, AUX, USB and operation of iPod modes. This allows you to save the Bass and Treble settings separately for each mode.

Note:
Any adjustment to the Bass or Treble settings automatically cancels the current EQ curve (if one is selected).

AM/FM Tuner Operation

Seek Tuning

Press **TUNE ◄◄** or **TUNE ►►** momentarily to seek the next strong station.

Manual Tuning

Press **TUNE ◄◄** or **TUNE ►►**for more than two seconds, then release. "MANUAL" will momentarily appear in the display. Press **TUNE ◄◄** or **TUNE ►►** momentarily to move radio frequency up or down one step at a time. Press and hold to advance quickly. If tuning is not adjusted for five seconds, the unit will return to seek tuning mode (default). "AUTO" will momentarily appear in the display.

Scan Tuning

On the remote control, press **SCAN** to preview strong stations on the current band, pausing for five seconds at each. Press **SCAN** again to cancel.

Band

Press **BAND** to select between FM1, FM2, FM3, AM1 and AM2 bands.

Storing and Recalling Station Presets

Up to 18 FM stations and 12 AM stations can be stored. To store a station, select the desired band and station. Press and hold the desired preset button (1-6) for more than two seconds. When stored, the preset number will appear in the display. The station can be recalled anytime by pressing the corresponding preset button.

Note: Function keys 7, 8, 9 and 0 on the remote control apply to Bluetooth operation only.

Automatically Store Stations

Press **AS/PS** for more than two seconds to automatically store the six strongest stations in the current band. Automatic local tuning is activated during the initial band scan.

Preset Scan

Press **AS/PS** for less than two seconds to scan presets 1-6 on the current band, pausing for five seconds at each. Press **AS/PS** again to cancel.

CD Player Operation

Insert CD	With the label facing up, insert a standard size CD into the CD slot. The CD will automatically begin playback.
Eject CD	Press ⏏ to eject the CD. The unit will change to previous mode of operation (AM/FM, AUX, operation of iPod, Bluetooth or USB). If the disc is not removed within 10 seconds, the unit will reload the disc. The unit does not have to be turned on to eject CD.
Track Select	Press **TRACK ►►** to skip to the beginning of the next track. Press **TRACK ◄◄** to return to the beginning of the current track. Pressing **TRACK ◄◄** again skips to the beginning of the previous track.
Fast Forward and Reverse	Press and hold **TRACK ►►** or **TRACK ◄◄** to fast forward or reverse a track.
Pause	Press **►/❚❚** to temporarily stop CD playback. Press **►/❚❚** again to resume playback.
Scan	Press **INT** to play the first 10 seconds of each track. Press **INT** again to cancel.
Repeat	Press **RPT** to continuously repeat selected track. Press **RPT** again to cancel.
Random	Press **RDM** to play all tracks in random order. Press **RDM** again to cancel. Random mode is retained in memory when selecting between AM/FM, CD, AUX, USB, operation of iPod and Bluetooth modes and when the unit is turned on/off.
CD-R/CD-RW Compatibility	Some CD-Rs and CD-RWs may be incompatible with this unit, depending on media type and recording method. In addition, the following CDs may be incompatible with this unit: CDs exposed to extreme temperatures or direct sunlight for extended periods of time, CDs recorded in which a recording session failed or a re-recording was attempted and, or encrypted or copy-protected CDs which do not conform to the audio CD-DA red book recording standard.

CD Player Operation - MP3/WMA Files

Playing an MP3/WMA Disc

When an MP3/WMA encoded disc is first inserted, "READING" will appear in the display. Depending on the number of files and folders, this may take several seconds.

Displaying Information

Press **DISP** to select between track number/elapsed time (default), clock, track name, directory name, title, artist and album.

"NO ID3 TAG" will be displayed if the MP3 file contains no ID3 tag information.

"UNKNOWN" will be displayed if the WMA file contains no WMA tag information.

"ROOT" will be displayed if the directory name of a root folder is not labeled.

Title Icon TITLE

This icon will illuminate when the song title is displayed.

Artist Icon ARTIST

This icon will illuminate when the artist name is displayed.

Album Icon ALBUM

This icon will illuminate when the album name is displayed.

Folder Icon

This icon will illuminate when the folder name is displayed.

Character Support

Maximum character display information
- Track name – 32 character maximum
- Directory name – 23 character maximum
- *Song title – 30 character maximum
- *Artist name – 30 character maximum
- *Album name – 30 character maximum

*Song title, Artist Name, and Album name, will only be displayed if included with the MP3/WMA file.

When referring to MP3/WMA playback, the following terms are synonymous:

- File name and track name
- Folder name and directory name

CD Player Operation - MP3/WMA Files

Direct Select and Navigate Modes	Press **SRCH** for more than 3 seconds, to select between the following modes: • Direct File Select • File or Folder Navigate
Direct File Select Step 1	Press **SRCH** for more than 3 seconds, then release. "MP3 T∗" or "WMA T∗" will flash in the display.
Step 2	Turn the **volume** knob to change to the desired track number.
Step 3	Press ↵ to confirm the selected file number or wait for the input cycle to time out (approximately 5 seconds).
File/Folder Navigate Step 1	Press **SRCH** for more than 3 seconds, then release. Press **SRCH** again to navigate files/folders on the disc. The current folder name will scroll one time followed by available files and folders.
Step 2	Turn the **volume** knob to preview files/folders in the current folder. If a folder is selected, the 🗀 icon will illuminate.
Step 3	Press ↵ to select the desired file or folder. If a folder is selected, "\\" will be displayed. Turn the volume knob to the right to begin searching files in the folder.
Step 4	Press ↵ to select the desired file within the folder.
***Folder Access (Up one level)**	When navigating folders (and "\\" is displayed), press **BACK** to access the previous level (up one level). *Only available on MP3/WMA discs recorded with more than one folder.

CD Player Operation - MP3/WMA Files

Navigating Note	After navigating by direct select or file/folder navigate modes, the track number and elapsed time will be displayed by default. Press **DISP** momentarily to select clock, track name, directory name, title, artist and album.
***Folder Access**	Press to select the previous folder. Press to select the next folder. *Folder access is only available on MP3/WMA discs recorded with more than one folder.
File Repeat	Press **RPT** momentarily to continuously repeat selected file. Press **RPT** again to cancel.
Folder Repeat	Press **RPT** for more than 2 seconds to consecutively repeat all files in the current folder only. The icon will appear in the display when in folder repeat mode. Press **RPT** again to cancel.
Disc Random	Press **RDM** momentarily to play all files on entire disc in random order. Press **RDM** again to cancel.
Folder Random	Press **RDM** for more than 2 seconds to play all files in current folder only in random order. The icon will appear in the display when in folder random mode. Press **RDM** again to cancel.
Disc Intro	Press **INT** momentarily to play the first 10 seconds of each file on the entire MP3/WMA disc. Press **INT** again to cancel.
Folder Intro	Press **INT** for more than 2 seconds to play the first 10 seconds of each file in the current folder only. The icon will appear in the display when in folder intro mode. Press **INT** again to cancel. Note: Folder repeat, folder random and folder intro functions are only available on MP3/WMA discs recorded with more than one folder.

CD Player Operation - MP3/WMA Files

Media Compatibility

The following types of discs/files are compatible:
- CD-ROM (ISO), CD-R, CD-RW
- CD-DA
- MP3 data
- WMA data

The following types of discs/files are not compatible:
- WMA files that are protected by DRM (Digital Rights Management).
- WMA lossless format
- Discs recorded with Track At Once or packet writing
- MP3 PRO format
- MP3 playlists
- WAV format

Playback Order

MP3/WMA playback sequence is based on recorded order of files and begins in the root folder of the disc. Any empty folders or folders that do not include MP3/WMA files are skipped. This unit may not play files in the order they were recorded in depending on the recording software used. Refer to your recording software's user's manual for more information.

Compatible Recording Formats

- ISO9660 level 1
- ISO9660 level 2
- Yellow Book MODE 1
- Yellow Book MODE 2 FORM 1
- Multi session
- Maximum folders and files - 256
- Maximum folder levels - 8
- MPEG-1/2/2.5 Audio Layer-3

ISO9660 standards:
- Maximum nested folder depth is 8 (including the root folder).
- Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and "_" (underscore). Some characters may not be displayed correctly, depending on the character type.
- This device can play back discs in Joliet, Romeo, and other standards that conform to ISO9660. MP3/WMA written in the formats other than the above may not play and/or their file names or folder names may not be displayed properly.

CD Player Operation - MP3/WMA Files

Additional MP3/WMA Information	An internal buffer provides ESP (Electronic Skip Protection) to virtually eliminate skipping. When playing a disc recorded with regular audio files (CD-DA or .WAV) and MP3/WMA files, the unit will play the MP3/WMA files only. Only MP3 files with filename extension (.mp3) can be played. Only WMA files with filename extension (.wma) can be played. Do not attempt to play discs which contain non-MP3/WMA files with the MP3/WMA extension.
Sampling Frequency Rates **MP3**	8kHz ~ 48kHz
WMA	32kHz ~ 48kHz
Transfer Bit rates **MP3**	32kbps ~ 320kbps constant Variable bit rates
WMA	48kbps ~ 192kbps constant Variable bit rates Note: Some files may not play or be displayed correctly, depending on sampling rates and bit rates.
MP3 Tag Display	ID3 tags Version 1.x This model will not display ID3 Version 2.0 or greater tags.
Recommended Settings	For best results, use the following settings when burning an MP3 disc: 128kbps or higher constant bit rate 44.1kHz or higher sampling frequency For best results, use the following settings when burning a WMA disc: 64kbps or higher constant bit rate 32kHz or higher sampling frequency

USB Operation - MP3/WMA Files (Optional)

Connecting a USB Device (sold separately)

Play MP3/WMA files from most mass storage devices by connecting them to the XDMA6415's USB port. To connect a USB device, line up the connectors and insert the USB device into the port. The USB icon will appear in the display.

Playing Music

Press **MODE** to enter USB mode. When a USB device is first connected, “READING” will appear momentarily in the display. Depending on the number of files and folders, this may take several seconds. Music will begin playing automatically unless a Bluetooth phone call is detected.
If no valid MP3/WMA files are detected, "NO FILE" will be displayed and the last mode will be resumed.

Displaying Information

Press **DISP** to select between elapsed time (default), track number, clock, track name, directory name, title, artist and album.

"NO TITLE" will be displayed if no song title information is available.
"NO ARTIST" will be displayed if no artist information is available.
"NO ALBUM" will be displayed if no album information is available.

Title Icon TITLE

This icon will illuminate when the song title is displayed.

Artist Icon ARTIST

This icon will illuminate when the artist name is displayed.

Album Icon ALBUM

This icon will illuminate when the album name is displayed.

Folder Icon

This icon will illuminate when the folder name is displayed.

Character Support

Maximum character display information
- Track name – 32 character maximum
- Directory name – 32 character maximum
- *Song title – 30 character maximum
- *Artist name – 30 character maximum
- *Album name – 30 character maximum

*Song title, artist name and album name will only be displayed if included with the MP3/WMA file.

USB Operation - MP3/WMA Files (Optional)

Direct File Select	Press **SEARCH** for more than three seconds, then release. "T*" will appear in the display. Use the **volume** knob to select the desired track number and press ↵ to confirm. Note: When a file is accessed, the elapsed time will be displayed. Press **DISP** momentarily to select track number, clock, track name, directory name, title, artist or album.
***Folder Access**	Press 🗀 to select the previous folder. Press 🗀 to select the next folder. *Folder access is only available on USB devices with more than one folder.
File Repeat	Press **RPT** momentarily to continuously repeat selected file. Press **RPT** again to cancel.
Folder Repeat	Press **RPT** for more than two seconds to consecutively repeat all files in the current folder only. The 🗀 icon will appear in the display. Press **RPT** again to cancel.
File Random	Press **RDM** for more than two seconds to play all files on entire USB device in random order. Press **RDM** again to cancel.
Folder Random	Press **RDM** momentarily to play all files in current folder only in random order. The 🗀 icon will appear in the display. Press **RDM** again to cancel.
File Intro	Press **INT** momentarily to play the first 10 seconds of each file on the entire USB device. Press **INT** again to cancel.
Folder Intro	Press **INT** for more than two seconds to play the first 10 seconds of each file in the current folder only. The 🗀 icon will appear in the display. Press **INT** again to cancel. **Note:** Folder repeat, folder random and folder intro functions are only available on USB devices with more than one folder.

USB Operation - MP3/WMA Files (Optional)

Track Select

Press **TRACK ►►** to skip to the beginning of the next track. Press **TRACK ◄◄** to return to the beginning of the current track. Pressing **TRACK ◄◄** again skips to the beginning of the previous track.

Fast Forward and Reverse

Press and hold **TRACK ►►** or **TRACK ◄◄** to fast forward or reverse a track.

Pause

Press **►/❚❚** to temporarily stop USB playback.
Press **►/❚❚** again to resume playback.

Media Compatibility

The following types of files are compatible:
- MP3 data
- WMA data

The following types of files are not compatible:
- WMA files that are protected by DRM (Digital Rights Management).
- WMA lossless format
- MP3 PRO format
- MP3 playlists
- WAV format

Playback Order

MP3/WMA playback sequence is based on order the files are copied to the USB device and begins in the root folder. Any empty folders or folders that do not include MP3/WMA files are skipped. Depending on your software, the playback order may vary.

Playback Capacity

- Maximum number of files: 48896
- Maximum number of folders: 127 plus the root directory
- Maximum number of files in each folder and root: 382
- Maximum number of folder levels (sub folders): 8 (7 levels plus the root)

Note: If the number of files/folders exceeds the maximum outlined above, the additional files/folders will be ignored.

USB Operation - MP3/WMA Files (Optional)

Additional MP3/WMA Information	Only MP3 files with filename extension (.mp3) can be played. Only WMA files with filename extension (.wma) can be played. Do not attempt to play non-MP3/WMA files with the MP3/WMA extension.
Sampling Frequency Rates	
MP3	8kHz ~ 48kHz
WMA	32kHz ~ 48kHz
Transfer Bit rates	
MP3	32kbps ~ 320kbps constant Variable bit rates
WMA	48kbps ~ 192kbps constant Variable bit rates
	Note: Some files may not play or be displayed correctly, depending on sampling rates and bit rates.
MP3 Tag Display	ID3 tags Version 1.x This model will not display ID3 Version 2.0 or greater tags.
	Note: If an invalid ID3 tag version is detected, "NO SUPPORT" will scroll on the display.

Operation of iPod

Connect iPod Device (Not Included)

Use the included 2-wire cable to connect an iPod device to the XDMA6415. Press **MODE** to select the operation of iPod mode. Playback will begin automatically. If a song is playing on the iPod device before it is connected, it will continue to play.

Note: Both the USB and auxiliary input connections must be made when connecting the 2-wire cable.

Displaying Information

Press **DISP** to select between elapsed time (default), track number, clock, title, artist and album.

"UNKNOWN ARTIST" will be displayed if the file contains no artist tag information.

"UNKNOWN ALBUM" will be displayed if the file contains no album tag information.

Search Functions

Press and hold **SRCH** for 3 seconds to enter the search mode. Turn the volume knob to select between playlist, artist, album and song. Press **SRCH** to select the desired search type. Press **BACK** to access the previous level (up one level).

Playlist Search

Turn the volume knob to select between playlists. Press **SRCH** to select desired playlist. Turn the volume knob to select between songs from the chosen playlist. Press ↵ to begin playback.

Artist Name Search [ARTIST]

Turn the volume knob to select between artists. Press **SRCH** to select desired artist. Turn the volume knob to select between albums from the chosen artist. Press **SRCH** to select desired album from the chosen artist. Turn the volume knob to select between songs from the chosen album. Press ↵ to begin playback.

Album Name Search [ALBUM]

Turn the volume knob to select between albums. Press **SRCH** to select desired album. Turn the volume knob to select between songs from the chosen album. Press ↵ to begin playback.

Song Name Search [TITLE]

Turn the volume knob to select between songs. Press ↵ to begin playback.

Song Select

Press ►► to skip to the beginning of the next song. Press ◄◄ to return to the beginning of the current song. Pressing ◄◄ again skips to the beginning of the previous song.

Operation of iPod

Fast Forward and Reverse	Press and hold ►► or ◄◄ to fast forward or reverse a song.
Pause	Press ►/II to temporarily stop playback. Press ►/II again to resume playback.
Intro	Press **INT** to play the first 10 seconds of each song. Press **INT** again to cancel.
Repeat	Press **RPT** to continuously repeat selected song. Press **RPT** again to cancel. It is not possible to select songs in repeat mode.
Random	Press **RDM** to play all songs in random order. Press **RDM** again to cancel. Random mode is retained in memory when selecting between Tuner, CD player, Aux, operation of iPod and Bluetooth modes and when the unit is turned on/off.
Character Support	Only alphanumeric characters can be displayed (ASCII type). "NO SUPPORT" will be displayed if the file contains characters that can not be displayed. "NO SONG" will be displayed if there are no songs in the selected playlist. Maximum character display information • Song title – 30 character maximum • Artist name – 30 character maximum • Album name – 30 character maximum Note: Song title, artist name and album name will only be displayed if included with the file.
iPod Device Compatibility	Compatible with • iPod touch (2nd generation) • iPod nano (4th generation) • iPod classic • iPod touch (1st generation) • iPod nano (3rd generation) • iPod nano (2nd generation) • iPod with video • iPod nano (1st generation) Refer to your iPod device instruction manual for details on how to obtain the latest software.

Bluetooth® Operation

Overview
The XDMA6415 supports the HFP (hands-free profile), A2DP (advanced audio distribution profile) and AVRCP (audio video remote control profile).

Preparation
Before you can use a mobile device with this head unit, it must be connected and authenticated - commonly referred to as "pairing" a device. Please make sure that Bluetooth is activated on your mobile device before you begin the pairing process. Refer to the owner's manual of your mobile device for more details.

Bluetooth Pairing
1) To pair a Bluetooth enabled mobile phone to your head unit, press ↘ on the head unit, or press **MODE** to enter Bluetooth mode. **BLUETOOTH** will scroll once, then **STANDBY** will appear if a phone is not paired and connected.

2) Press and hold ↘ on the head unit for 5 seconds, until "PAIRING" is displayed. The Bluetooth icon will flash every second. The head unit will begin to broadcast a signal for 60 seconds.

3) Complete the pairing from the Bluetooth menu of your mobile device by searching for new devices. Please refer to your mobile device instructions for further information on Bluetooth pairing and connections. The Bluetooth icon will illuminate solid.

The XDMA6415 device name is "DUAL BT."
The password for the XDMA6415 is 1234.

Connection Notes

•If **ACNT** is set to **OFF**, you must press ↘ to connect after pairing.

•From Bluetooth standby mode, press ↙ to disconnect your mobile device.

•From Bluetooth standby mode, press ↘ to reconnect your mobile device if it has been paired, but is not connected.

•To connect a different mobile device, the currently connected mobile device must be disconnected. If this device has been paired previously, you may reconnect using the mobile device's Bluetooth menu, or repeat the above pairing instructions.

General Note

•Due to the differences in Bluetooth technology, some mobile devices may be incompatible or function improperly when used with the XDMA6415.

• The external Bluetooth microphone must be connected to the wiring harness at the rear of the unit to enable correct operation of a Bluetooth phone call.

Bluetooth® Operation

Function	Description
Making a Phone Call	Press ↘ once. An "_" will appear on the display.
	Input the desired phone number using the 0-9, *, # buttons on the remote control. Press ↘ to begin dialing.
	A phone call may be placed from your mobile device using the keypad, phone book or speed dial. When a call is placed from a mobile device, "DIALING" will appear on the head unit display.
Last Number Dialing	To enter last number dialing mode, press ↘, then press ↘ a second time. The head unit will display "LAST NUMBER DIAL."
	Press **DISP** to cycle through the received, dialed or missed call categories. Rotate the **volume** knob to cycle through the last 5 calls in the selected category.
	Press ↘ to begin dialing the selected number. "DIALING" will appear on the head unit display.
Receiving a Phone Call	If an incoming call is detected, the head unit will automatically switch to Bluetooth mode, muting any audio that may be playing.
	The incoming phone number will scroll across the display, the phone icon will flash on the display and a ring tone will be audible from the vehicle speakers. See Bluetooth Settings for speaker configurations.
	Note: The ring audio level will depend the mobile device and head unit ring volume and audio settings. If the ringer on the mobile device is off, you may not hear an incoming ring tone.
	Press ↘ on the head unit to receive a call. The phone icon will illuminate solid.
Refusing a Call	To refuse an incoming phone call, press and hold ↙ for 3 seconds.
During a Phone Call	The head unit will display the elapsed time of the phone call.
	The **volume** knob will adjust the volume of the call.
	Press ↙ momentarily to select between microphone on (MIC ON) and microphone off (MUTE).
Audio Transfer	To transfer the phone call between the head unit and the mobile device, press and hold **DISP** for 3 seconds during a call. **Tip**: transfer audio to your mobile device before turning the head unit off.
Call Waiting	When a second call is incoming, press ↘ to activate call waiting. The current call will be placed on hold, and the second call will be active. Press ↘ again to return to the first call.
Call Hold	During a phone call, press ↘ to place the current call on hold. To resume the phone call, press ↘ again.
Ending a Phone Call	Hold ↙ for 3 or more seconds to end a call.
	If the phone call was received, the head unit will return to previous mode when call is ended.

Bluetooth® Settings

Menu Function	Options	Action
Bluetooth Mode	BT ON	Enables Bluetooth mode. The Bluetooth icon will flash every 10 seconds.
	BT OFF	Disables Bluetooth support.
Auto Connect	ACNT ON	Allows reconnection to the most recently connected mobile device. **Note**: Some mobile devices do not support this feature.
	ACNT OFF	Disables the auto connect feature. You must press ↘ every time to connect a mobile device.
Auto Answer	AANS OFF	Disables the auto answer feature. Press ↘ to receive an incoming call.
	AANS ON	All incoming calls will be answered automatically - without notification.
Bluetooth Audio	SPK 2-CH	Directs the Bluetooth audio to the front speakers.
	SPK 4-CH	Directs the Bluetooth audio to all 4 speakers.

Bluetooth Streaming Audio Operation

(AV MODE)

The XDMA6415 supports A2DP wireless streaming audio from your Bluetooth mobile device directly to your head unit. You can also control your music from the front panel of the head unit using AVRCP.

To stream music to your head unit, your mobile device must support the following criteria:

- A2DP profile to stream audio
- AVRCP profile to control your music. Check the owner's manual or manufacturer of your device for compatibility.
- Streaming audio must be enabled from your mobile device. This option will vary depending on the device. Example: "wireless stereo."
- Disabling AV MODE must be done from your mobile device.

After enabling streaming audio from a compatible mobile device, the head unit will display "AV MODE." The following functions can be used to control music:

- The ►► button will skip to the next available audio track.
- The ◄◄ button will skip to the previous audio track.
- The ►/❚❚ button will toggle between play and pause during playback.
- The ↘ button will stop the audio playback.

Note: If experiencing problems with these functions, try playing music from mobile device. On some mobile devices, it may be necessary to control the music from the device.

Limited One Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

Who is covered? This warranty is extended to the original retail purchaser for products purchased and used in the U.S.A.

What is covered? This warranty covers all defects in material and workmanship in this product. The following are not covered: installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product.

What to do?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls may save you a service call.

2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.

3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.

4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

   - Call us toll-free at 1-866-382-5476
   - E-mail us at cs@dualav.com

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.

Troubleshooting - General

Problem	Cause	Action
Unit will not turn on (no power)	Yellow wire not connected or incorrect voltage Red wire not connected or incorrect voltage	Check connections for proper voltage (11~16VDC)
	Black wire not connected	Check connection to ground
	Fuse blown	Replace fuse
Unit has power (but no sound)	Speaker wires not connected	Check connections at speakers
	One or more speaker wires touching each other or touching chassis ground	Insulate all bare speaker wires from each other and chassis ground
Unit blows fuses	Yellow or red wire touching chassis ground	Check for pinched wire
	Speaker wires touching chassis ground	Check for pinched wire
	Incorrect fuse rating	Use fuse with correct rating
Excessive skipping	Unit is not mounted correctly or backstrap is not secure	Check mounting sleeve and backstrap support
	Physical defect in media (CD, CD-R or CD-RW)	Check media for scratches
ERROR-01 appears on display	Disc read error	Press **EJECT** or **RESET**
ERROR-02 appears on display	Focus error or disc is in upside down	Press **EJECT** or **RESET**
PROTECT appears on display	The WMA file is copy-protected by DRM (Digital Rights Management)	Write disc using WMA files that are not copy-protected
NO FILE appears on display	Selected file is not available in direct or alphanumeric search modes	Repeat search using valid parameters
INVALID appears on display	The file format is incompatible	Write disc using valid audio files with .mp3 or .wma file extensions
Unit will not accept a disc	CD mechanism position out of alignment	Press and hold **EJECT** for 3 seconds to reset CD mechanism position
	CD transit screws still in place	Remove 2 transit screws located on top of the unit
PAIRING FAILED appears on the display	Pairing attempt has exceeded 60 seconds	Retry pairing sequence. Pairing must complete within 60 seconds
	Phone is not setup correctly to connect to a bluetooth hands free device	Check the owners manual for instructions on enabling bluetooth
NO SUPPORT appears on display	An invalid ID3 tag version is present	Version 1.x ID3 tags are supported. Version 2.0 or greater are not supported

Specifications

CD Player	Frequency response: **10Hz-20kHz** Channel separation @ 1kHz: **>65dB** D/A converter: **1 Bit**
FM Tuner	Tuning range: **87.5MHz-107.9MHz** Usable sensitivity: **8.5dBf** 50dB quieting sensitivity: **10dBf** Stereo separation @ 1kHz: **40dB** Frequency response: **30Hz-13kHz**
AM Tuner	Tuning range: **530kHz-1710kHz** Usable sensitivity: **22uV** Frequency response: **30Hz-2.2kHz**
General	Operating voltage: **11-16 VDC, negative ground** Speaker output impedance: **4~8 ohms** Line output voltage: **2 Volts** Dimensions: **7" x 7" x 2" (178 x 178 x 51 mm)** Design and specifications subject to change without notice.

CEA-2006 Power Standard Specifications
(reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)

Power Output: 17 Watts RMS x 4 channels at 4 ohms and $\leq$ 1% THD+N
Signal to Noise Ratio: 80dBA (reference: 1 watt into 4 ohms)

Dual Electronics Corp.
Toll Free: 1-866-382-5476

www.dualav.com
©2010 Dual Electronics Corp. All rights reserved.

Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and or other countries. Other trademarks and trade names are those of their respective owners.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Namsung is under license.

Other trademarks and trade names are those of their respective owners.

NSA0110-V02